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HYDAC

Hydraulic systems and components for dredging

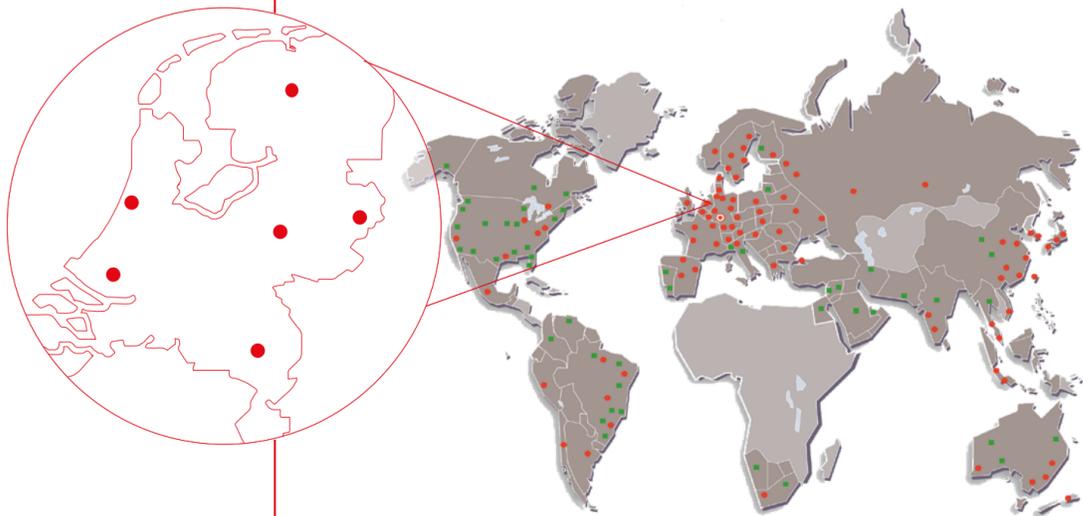
HYDAC

Hydraulic systems & components for small, large or complex installations. Smart and sustainable.

When it comes to hydraulic systems or components on dredgers, HYDAC provides appropriate solutions that focus on reliability and durability. A great many ships crossing the oceans of this world are fitted with our hydraulic systems and components.

HYDAC provides a total package from engineering, power pack, manifolds, piping and cylinders to complete system installation and start-up. Our all-round engineering experience and practical know how of hydraulic components and systems have gone into the development of various dredging applications. We specialize in large, complex installations, mostly built under the supervision of reputable classification agencies such as Bureau Veritas, Lloyds Register, GL, RINA and others.

In the dredging industry HYDAC is considered a trusted supplier of quality systems and components as well as a sparring partner for our customers. As most of the ships are built at shipyards around the world, HYDAC is used to working with local parties who are subcontracted by the shipyard. In those cases HYDAC is often requested to supervise those jobs so that quality is guaranteed. We understand the issues our customers deal with, we are flexible and easily accessible. Let our experience and knowledge work for you!



We deliver our own brand hydraulic components worldwide!



Trailing suction hopper dredgers

Hydraulic system applications are ideal for trailing suction hopper dredgers (TSHD). Often the bottom and upper doors, suction pipe gantries, swell compensators, overflow, sluice valves and winches are driven hydraulically. With more than 30 years of experience, HYDAC has developed special techniques for all of these applications.



Cutter suction dredgers

As far as hydraulic applications are concerned, the cutter dredger is an interesting vessel as it moves forwards and sideways. HYDAC designs and supplies various hydraulic systems for ladder winches, foreside winches, anchor boom winches and christmas tree winches, complete on board and as packages.



Backhoe dredgers

Backhoe dredgers can be made by mounting an excavator on a pontoon. For lowering and hoisting the spuds, winches or spud hoist cylinders are used. The pontoon can move forward and backwards on the spud carrier. The hydraulic system for driving the spud poles can also be used as an emergency system for the excavator. HYDAC can supply these systems in accordance with all current classification specifications.



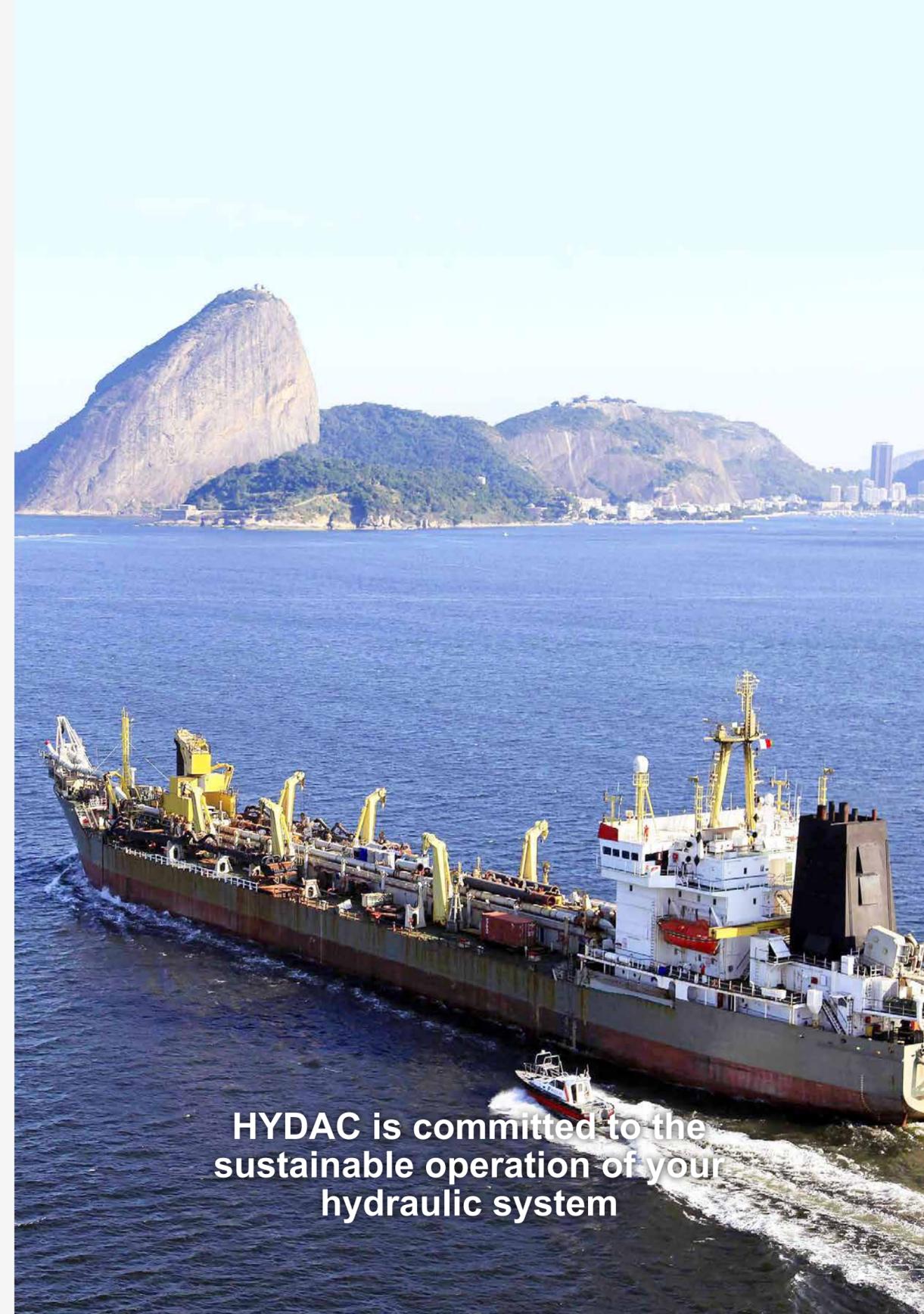
Stone dumping and fallpipe vessels

HYDAC provides cylinders and hydraulic systems for offshore and coastal protection applications. We also have experience in designing and manufacturing the hydraulic system for the fallpipe motion control.



Split hopper barges

HYDAC has developed the 3-S split system for application on split type dredgers. This system secures a constant opening speed and independent of specific gravity of the spoil. All safety features like overload protection, leak proof locking and emergency operation are standard. We are experienced with split type dredgers up to a capacity of 4500m³.



HYDAC is committed to the sustainable operation of your hydraulic system